

PRODUCTION OF L-FUCOSE

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Abstract of JP63027496

PURPOSE: To readily obtain the titled L-fucose in high yield using an inexpensive seaweed, by hydrolyzing the seaweed of the family Chordariaceae or Spermatochnaceae with an acid, neutralizing the hydrolyzate with an alkali, then adding a yeast to the neutralized product to assimilate saccharides other than L-fucose and successively refining and crystallizing the resultant product.

CONSTITUTION: A 1-2% mineral acid aqueous solution is added to a seaweed of the family Chordariaceae or Spermatochnaceae and hydrolyzed, preferably by heating at 90-140 deg.C for 1-6hr. Then the hydrolyzate is neutralized with an alkali and a yeast (e.g. baker's yeast) is added to the neutralized product to assimilate saccharides other than L-fucose. then the resultant product is subjected to refining treatment such as decoloration, deionization, etc., concentrated and crystallized to provide the aimed L-fucose.

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